

## Claims

1. A lithium ion secondary battery, including positive electrode, negative electrode, electrolyte and separator, where the terminals of the positive and negative electrodes are smeared with an mixture comprising of an active ingredient, conductive paste, and other  
5 additive paste, the special characteristics being: the conductive paste is made from the metal material of the corresponding conductor, comprising 1.0-10.0wt% of the total weight of the active ingredient.
2. A lithium ion secondary battery as recited in claim 1, the conductive paste is in  
10 metal powder form having average diameter of 0.1-5um.
3. A lithium ion secondary battery as recited in claim 1, the conductive paste is a mixture of metal powder and fiber, said fiber having a diameter of 0.1-5um, and the length ratio being 2-100; the metal powder is 80-98wt% of the additive paste, and the  
15 metal fiber is 2.0-20.0 wt% of the additive paste.